

ADDITIONAL SHEET

CCR#: 05-0078

Rev:

Originator: Carol Lindsey

Telephone: 301-925-0492

Office: COTS MAINT

Title of Change: Upgrade SQS 3.4.2.25 to SQS 3.4.2.28 to fix dropping out problem

This COTS TE delivery changes the baseline for SQS version 3.4.2 COTS product at all sites. It contains a fix for the following NCR:

NCR Number	Subsystem	Sev	State	Site	Description
ECSed41468	OPS_COTS	2	T	LaRC	l0acg02_sqs_srvr_1 keeps dropping out

The COTS TE is to be installed on the following machines:

- e0acg11
- g0acg01
- l0acg02
- n0acg01
- t1acg04
- p0acg05

The COTS TE was tested successfully in the EDF, VATC and PVC Labs.

INSTALLATION INSTRUCTIONS for SQS 3.4.2.28

The following provides the installation procedures for SQS 3.4.2.28.

Prerequisites

Estimated Installation Time: 30 minutes.

- Obtain the following files:
 - ebf12213.new.tar.gz - **Checksum is 2094381335 size is 64418402**
 - sqsserver.3.4.2.28.SGI - **Checksum is 1074233502 size is 2898676**
- 240MB of disk space required for installation.

UnInstall Instructions

None

Installation Instructions

1. Log in as Sybase.
2. Verify environment and display variable are set.
3. Shut down SQS Server

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4. Uncompress and extract the **ebf12213.new.tar.gz**.
tarfile into a central NFS accessible directory. This designated staging directory is denoted in the instructions below by *<stagingdir>*.

```
%cd <stagingdir> ↵  
%gunzip ebf12213.new.tar.gz ↵  
%tar xvf ebf12213.new.tar ↵
```

5. Log into the installation host as Sybase.
6. Rename the sqsserver binary. This is done for backup purposes only.

```
%cd /usr/ecs/OPS/COTS/sqs_342/bin ↵  
%mv sqsserver sqsserver_b4ebf12213 ↵
```

7. Move the new SQS binary in place and verify permissions are 755.

```
% mv <stagingdir>/sqsserver.3.4.2.28.SGI sqsserver ↵
```

8. Back up the OCS-12_5 directory under /usr/ecs/OPS/COTS/sqs_342.

```
%cd /usr/ecs/OPS/COTS/sqs_342 ↵  
%cp -R OCS-12_5 OCS-12_5_b4ebf12213 ↵
```

9. Run setup to install SDK binaries.

```
%cd <stagingdir>/ebf12213 ↵
```

```
%./setup ↵
```

- You will see the Welcome window.
Click **Next**
- At the License Agreement Window:
Select Location - **United States**
Select **I agree** – After reading license agreement
Click **Next**
- Verify installation directory is /usr/ecs/OPS/COTS/sqs_342
- A list of files being installed is displayed. Ignore the warning you are installing over a 12.5 installation. Respond with “yes to all”.
Click **Next**

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- Wait for the installer to complete the installation.

Click **Next**

- If install was successful.

Click **Next**

- In the final window to complete the installation.

Click **Finish**

10. Start SQS Server. If errors are encountered, verify the EBFs were copied into the SQS OCS-12_5 directory.

NOTE: upon successful completion remove the installation files from the staging directory.

Custom Code Integration

None.

Interrogation Checkout

The following is the script that will be run by CM on the SGI to complete audits:

```
% setenv SYBASE <your Sybase path> ↵
% isql -Usa -S<sqssrvrname> ↵
% select @@sqsversion ↵
```

Output similar to the following is displayed:

```
-----
Jan 31 10:31:54 2005: SQS Server/3.4.2.28/SGI/IRIX
6.5/Production build/Fri Jan 28 09:03:05 EST 2005
Jan 31 10:31:54 2005: Sybase Client-Library/12.5.1/P-
EBF12213 ESD #6/DRV.12.5.1.2/SGI/IRIX 6.5/BUILD1251-
039/OPT/Tue Nov 2 19:31:59 2004
```

Back-Out Instructions

1. To remove the sqs.3.4.2.28 under /usr/ecs/OPS/COTS/sqs_342:
 - a. Shutdown sqsserver
 - b. **mv sqsserver_b4upgrade sqsserver** ↵
 - c. **mv OCS-12_5_b4ebf12213 OCS-12_5** ↵
 - d. Restart sqs server

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Test Procedures

Spatial Query Server 3.4.2.28 was successfully tested in the PVC lab on p0acg05. This machine contains the SDSRV, DPL, SSS, OMS and STMGT databases, although the SDSRV database is the only one which directly interfaces with SQS. Most of the testing took place during an EOC 24 Hr. Load Test (Feb. 15, 2005) and EOC 8 Hr. Run (Feb. 22, 2005) in the PVC OPS mode, utilizing Release 7.03+ HEG custom code. During the course of the test period, the basic SQS functionality which the SDSRV utilizes was exercised (i.e., spatial data storage and search and retrieval of spatial data). Testing included spatial queries, spatial subscriptions, Data Pool checkout, etc. No NCRs were written.